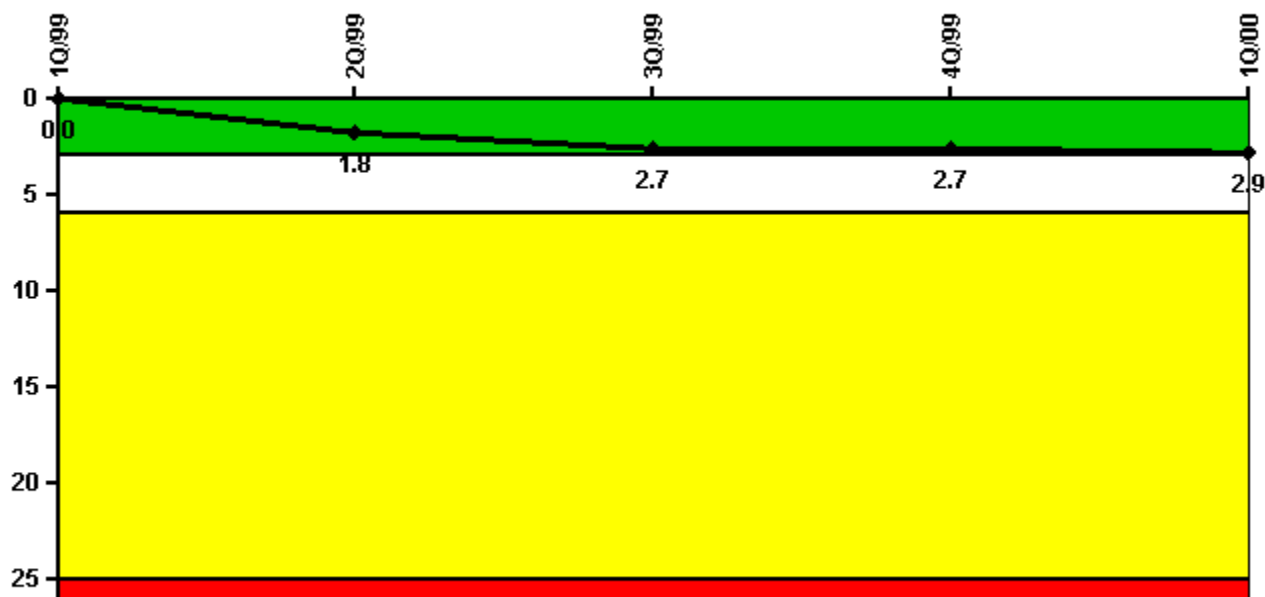


## South Texas 1

### 1Q/2000 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	0	2.0	1.0	0	0
Critical hours	2041.7	1480.9	2168.6	2209.0	1440.0
Indicator value	0	1.8	2.7	2.7	2.9

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



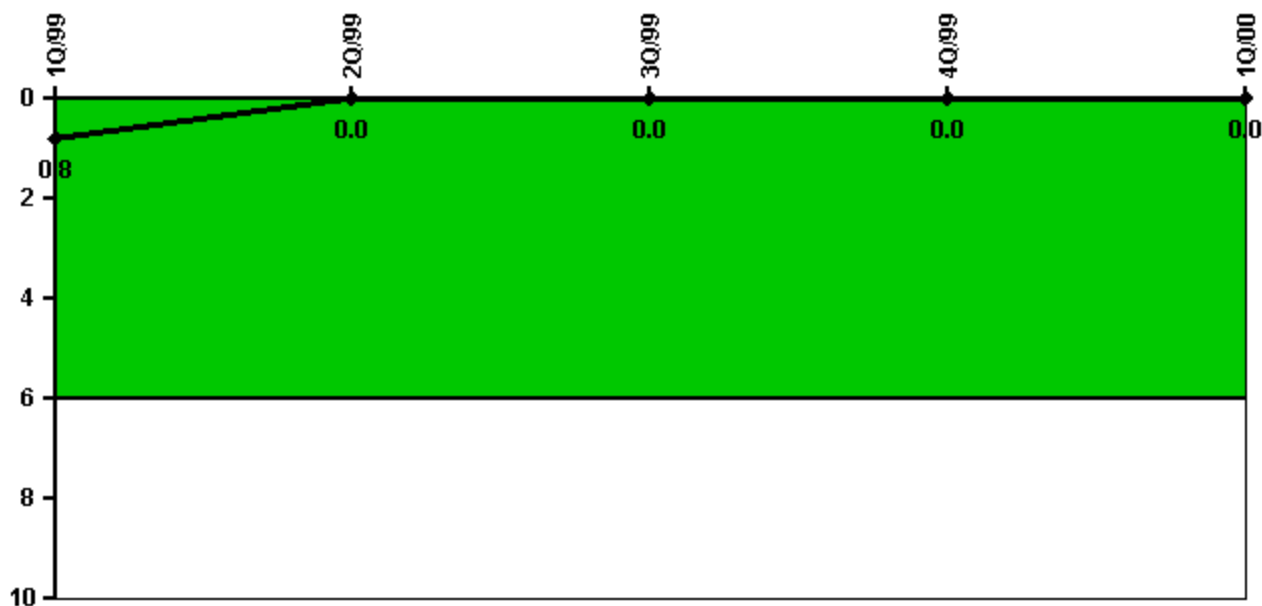
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Scrams	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2041.7	1480.9	2168.6	2209.0	1440.0
Indicator value	0.8	0	0	0	0

#### Licensee Comments:

1Q/00: Historical information included all unplanned power changes excluding automatic and manual scrams. Reviewed the historical input against the guidance in NEI 99-02 Draft D and revised the input accordingly.

3Q/98: Reviewed the historical input against the guidance and revised the input accordingly.

## Safety System Unavailability, Emergency AC Power, >2EDG



**Thresholds:** White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>					
Planned unavailable hours	14.45	75.55	0	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Train 2</b>					
Planned unavailable hours	13.18	71.62	0	0	48.82
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Train 3</b>					
Planned unavailable hours	104.65	0	80.25	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
<b>Indicator value</b>				<b>1.3%</b>	<b>1.3%</b>

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPSI)



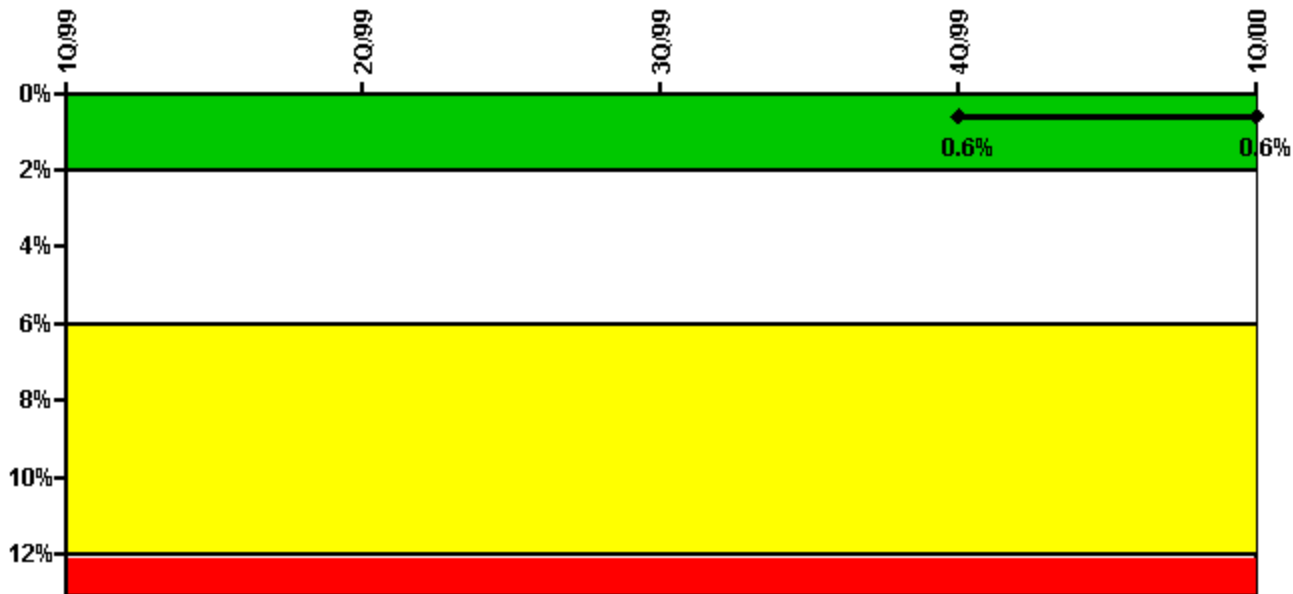
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>					
Planned unavailable hours	84.00	0	17.35	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2041.70	1480.90	2168.60	2209.00	1440.00
<b>Train 2</b>					
Planned unavailable hours	0	19.98	0	0	18.15
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2041.70	1480.90	2168.60	2209.00	1440.00
<b>Train 3</b>					
Planned unavailable hours	60.17	8.78	13.50	10.85	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2041.70	1480.90	2168.60	2209.00	1440.00
<b>Indicator value</b>				<b>1.0%</b>	<b>1.0%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (AFW)



**Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%**

### Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>					
Planned unavailable hours	0	12.35	13.53	0	13.53
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2041.70	1480.90	2168.60	2209.00	1440.00
<b>Train 2</b>					
Planned unavailable hours	10.92	13.83	5.62	8.65	4.95
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2041.70	1480.90	2168.60	2209.00	1440.00
<b>Train 3</b>					
Planned unavailable hours	22.92	24.58	4.00	0	24.90
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2041.70	1480.90	2168.60	2209.00	1440.00
<b>Train 4</b>					
Planned unavailable hours	48.70	12.90	13.47	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2041.70	1480.90	2168.60	2209.00	1440.00
<b>Indicator value</b>				<b>0.6%</b>	<b>0.6%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



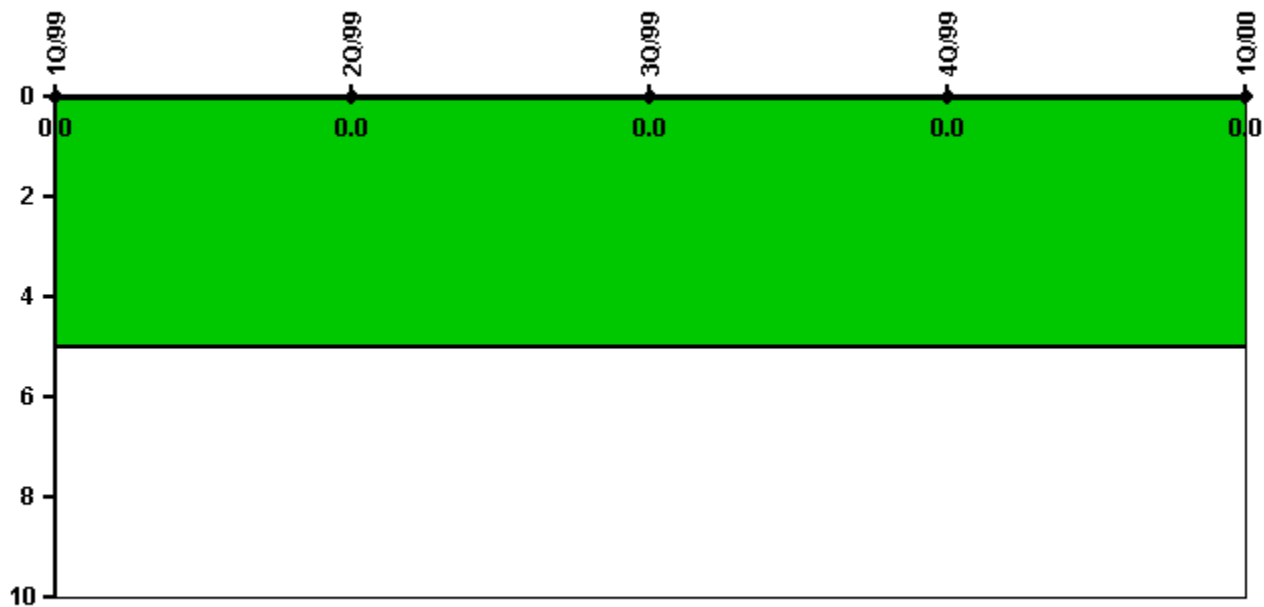
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
<b>Train 1</b>					
Planned unavailable hours	69.23	0	7.33	16.53	0
Unplanned unavailable hours	26.00	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1631.00
<b>Train 2</b>					
Planned unavailable hours	13.70	36.10	0	0	40.03
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1631.00
<b>Train 3</b>					
Planned unavailable hours	52.22	19.72	0	21.15	0
Unplanned unavailable hours	57.00	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1631.00
<b>Indicator value</b>				1.1%	1.1%

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

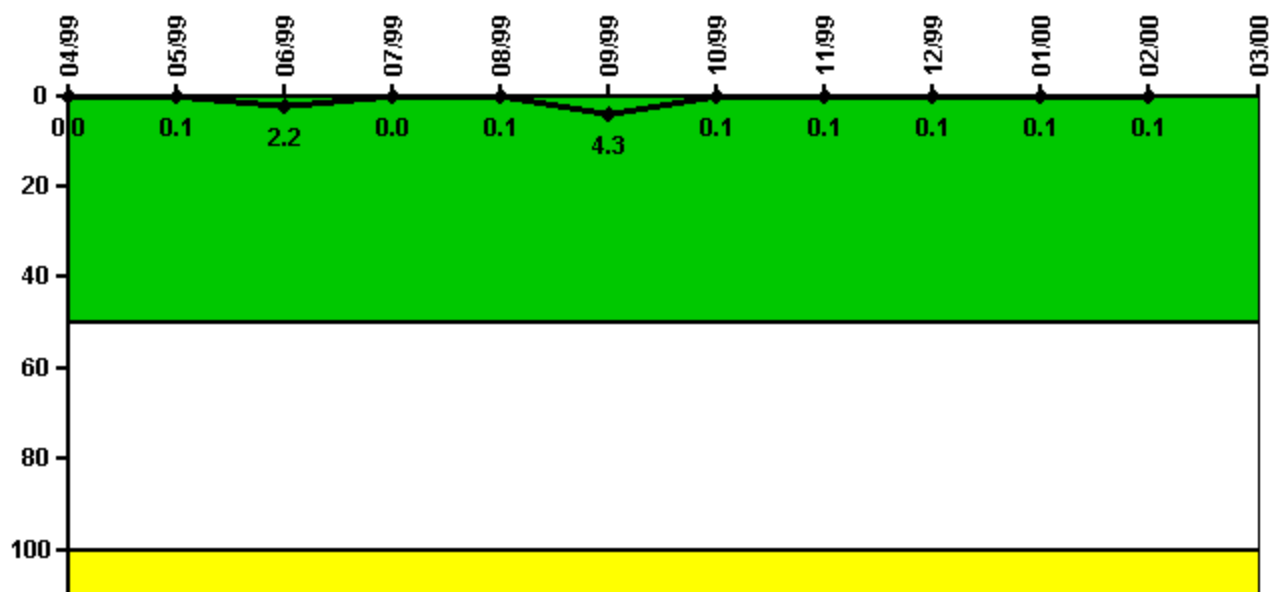
#### Notes

Safety System Functional Failures (PWR)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Safety System Functional Failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

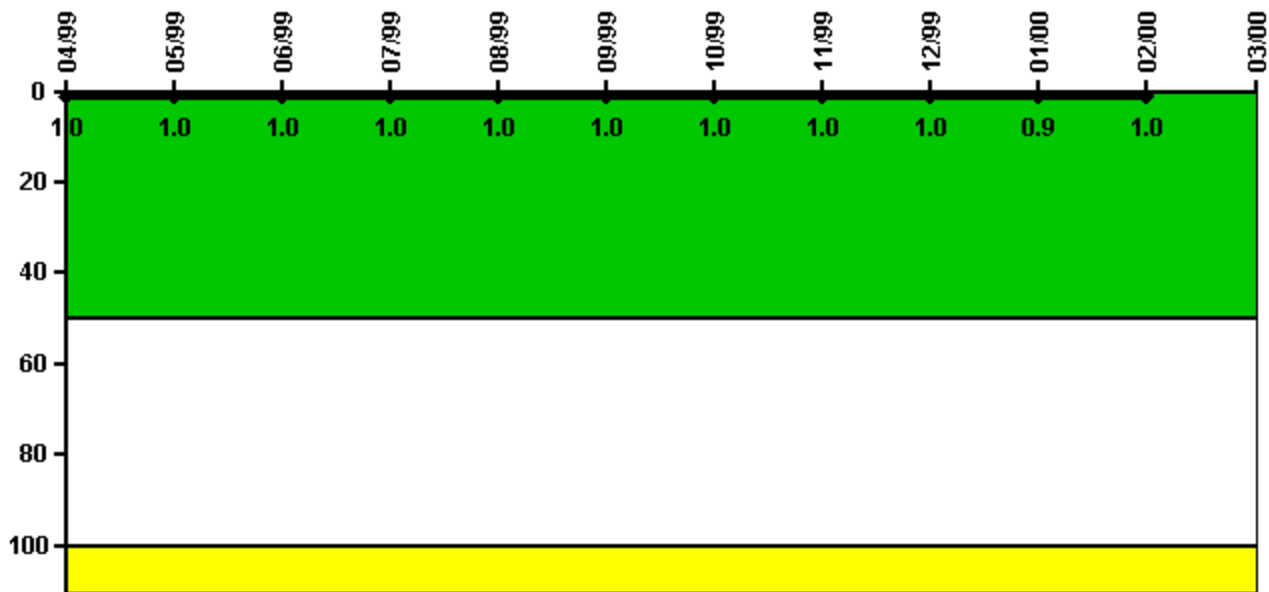
### Notes

Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	0.000078	0.000996	0.021900	0.000482	0.001070	0.043200	0.000743	0.000827	0.001060	0.001130	0.001010	N/A
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	N/A
Indicator value	0	0.1	2.2	0	0.1	4.3	0.1	0.1	0.1	0.1	0.1	N/A

Licensee Comments:

3/00: The unit was removed from service on March 1, at 0001 to allow scheduled refueling and steam generator replacement.

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

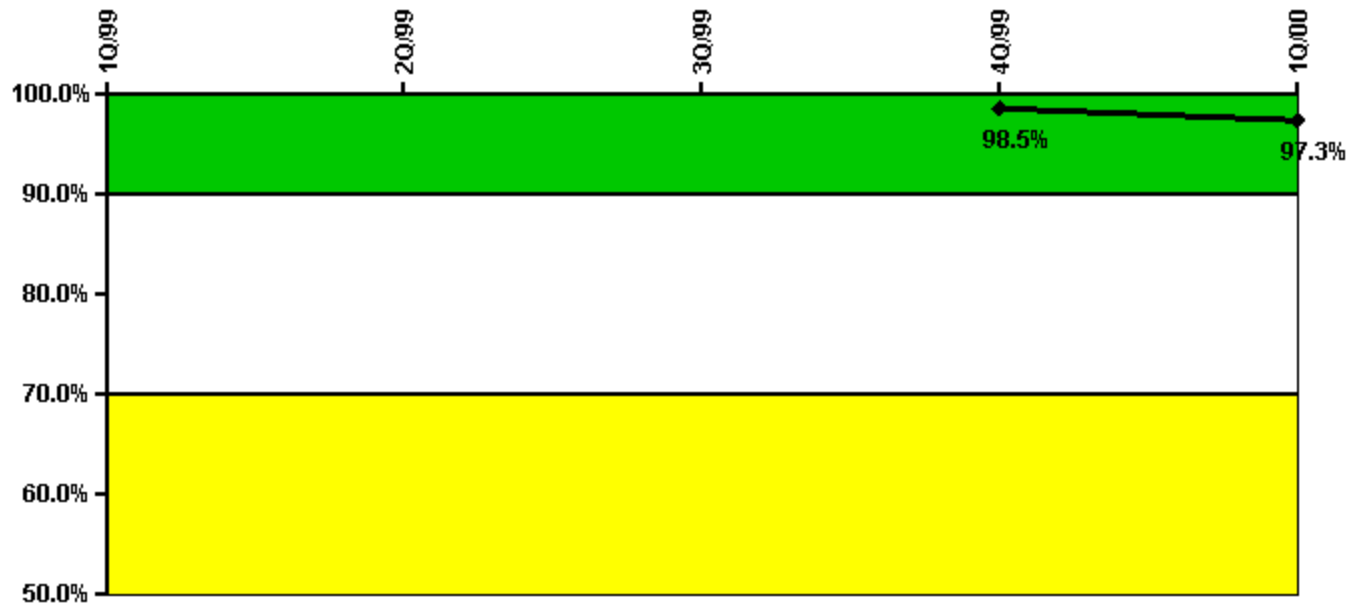
#### Notes

Reactor Coolant System Leakage	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum leakage	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.090	0.100	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	N/A
Indicator value	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	N/A

Licensee Comments:

3/00: The unit was removed from service on March 1, at 0001 to allow scheduled refueling and steam generator replacement.

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	0	0	28.0	8.0	253.0
Total opportunities	0	0	28.0	8.0	261.0
Indicator value				98.5%	97.3%

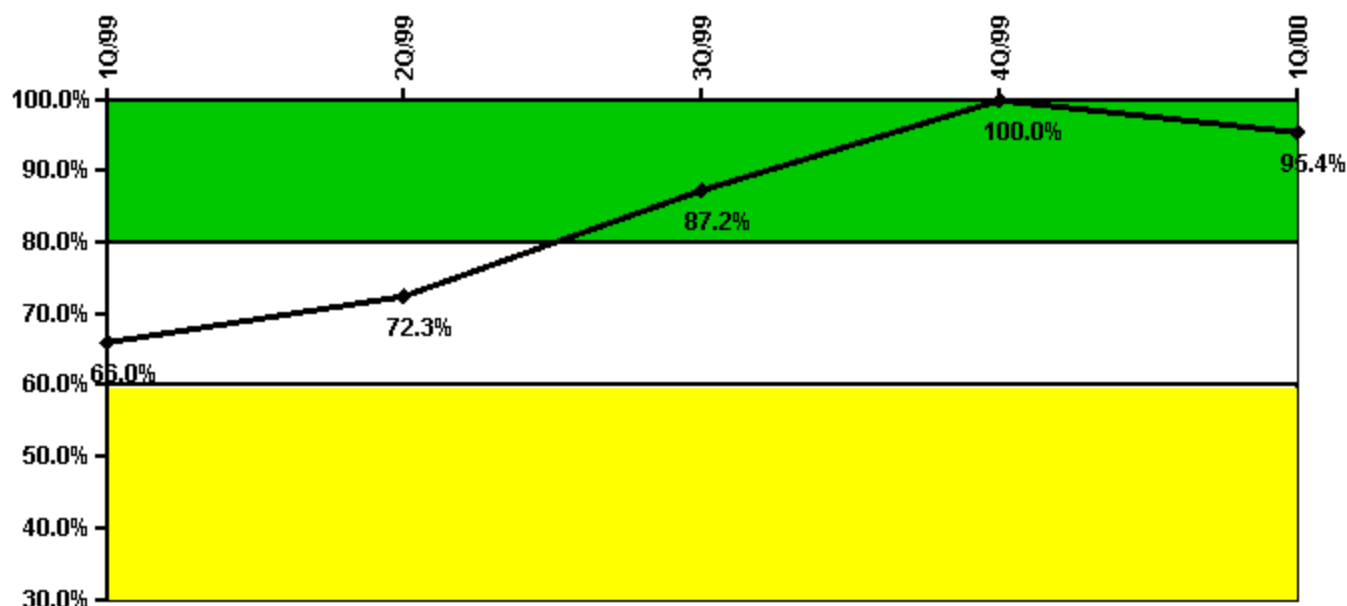
#### Licensee Comments:

1Q/00: In reviewing the historical data we identified a calculation error when translating from quarterly to monthly input values.

1Q/00: In reviewing the historical data we identified a calculation error when translating from quarterly to monthly input values.

4Q/99: Data collected under this performance indicator included full site participation drills (Combined Functional Drills, Dress Rehearsals and Evaluated Exercises) only. Simulator/Licensed Operator Requalification sessions were not counted as part of historical data presented.

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

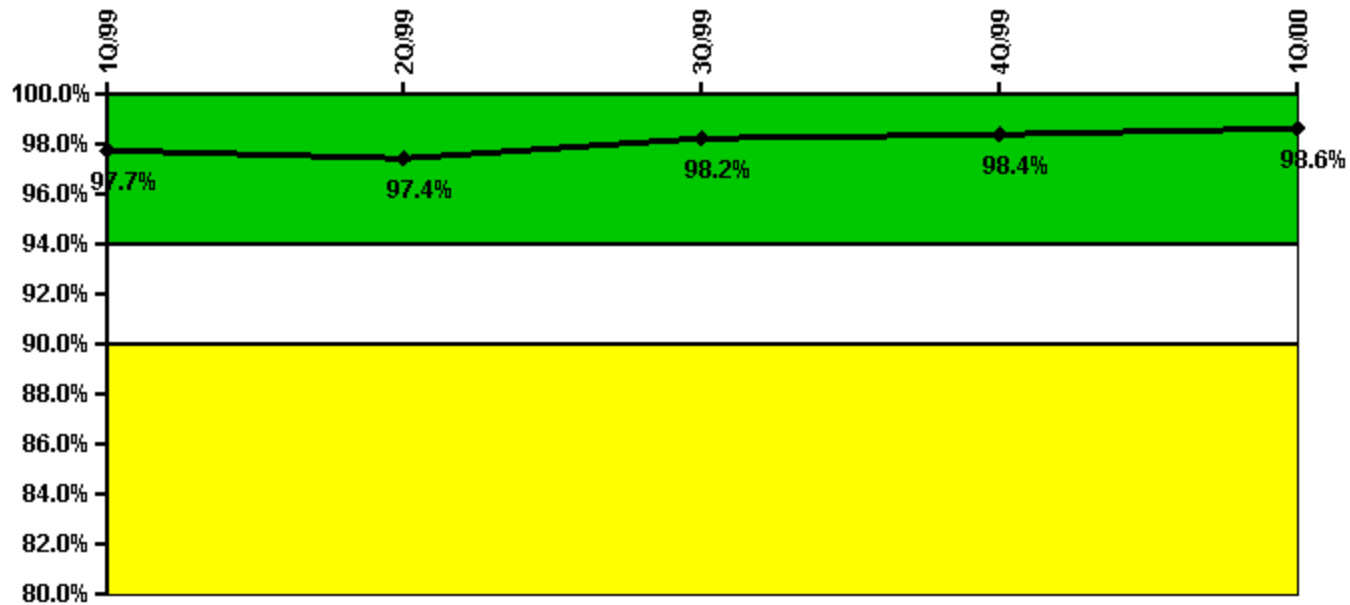
#### Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel	31.0	34.0	41.0	47.0	125.0
Total Key personnel	47.0	47.0	47.0	47.0	131.0
Indicator value	66.0%	72.3%	87.2%	100.0%	95.4%

#### Licensee Comments:

4Q/99: South Texas Project maintains the Emergency Response Organization (ERO) qualified per our Emergency Plan requirements. Available historical data back through 1998 was not kept in a format that lent itself able to determine drill attendance for all personnel in the drills and exercises. To comply with this Performance Indicator, we began to schedule drills for the 47-personnel identified as "key responders". This effort was completed in early December 1999. Late in the same month a Frequently Asked Question (FAQ) response was published that expanded this scope to all personnel who could possibly fill a "key responder" position (127-personnel for STP). As previously stated, data was not available to cover this expanded scope of personnel. Therefore, the submitted data does not include the expanded scope of the FAQ. Future submittals will comply with the guidance provided in the FAQ.

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

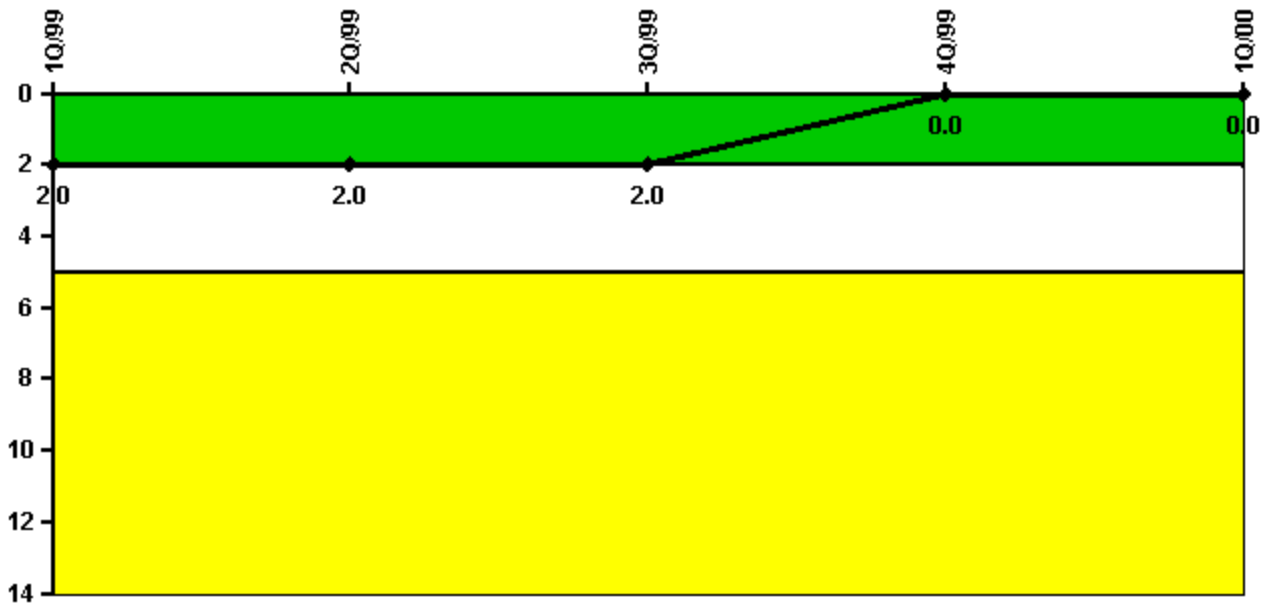
### Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	212	182	215	215	183
Total sirens-tests	217	186	217	217	186
Indicator value	97.7%	97.4%	98.2%	98.4%	98.6%

Licensee Comments:

1Q/00: In reviewing the historical data we identified a calculation error when translating from quarterly to monthly input values.

### Occupational Exposure Control Effectiveness

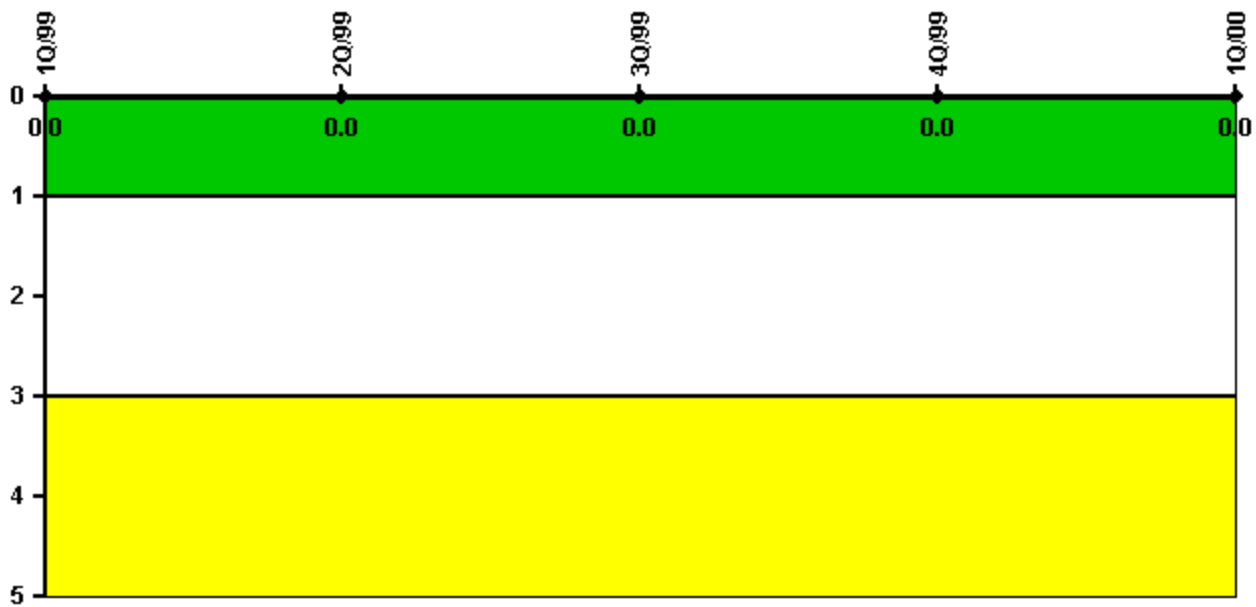


Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
High radiation area occurrences	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	2	2	2	0	0

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

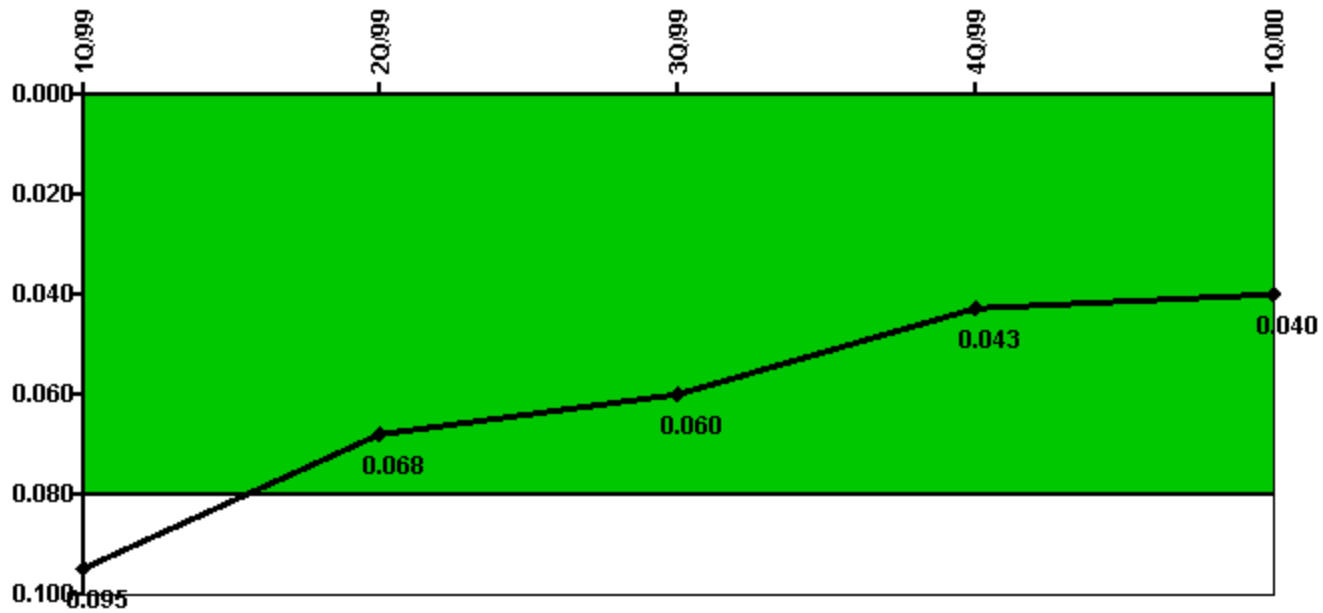
Thresholds: White > 1.0 Yellow > 3.0

**Notes**

RETS/ODCM Radiological Effluent	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none

### Protected Area Security Performance Index



Thresholds: White > 0.080

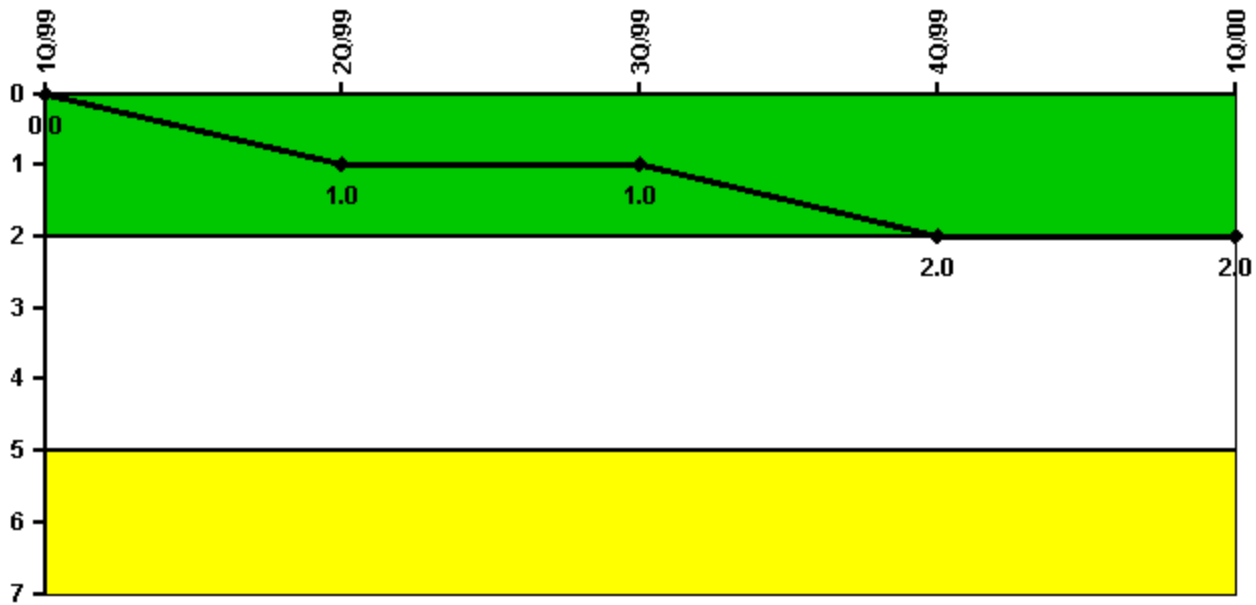
#### Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	433.50	101.60	186.00	347.10	352.60
CCTV compensatory hours	24.0	20.6	148.8	147.2	17.1
IDS normalization factor	2.20	2.20	2.20	2.20	2.20
CCTV normalization factor	1.3	1.3	1.3	1.3	1.3
Index Value	0.095	0.068	0.060	0.043	0.040

Licensee Comments: none



### Personnel Screening Program



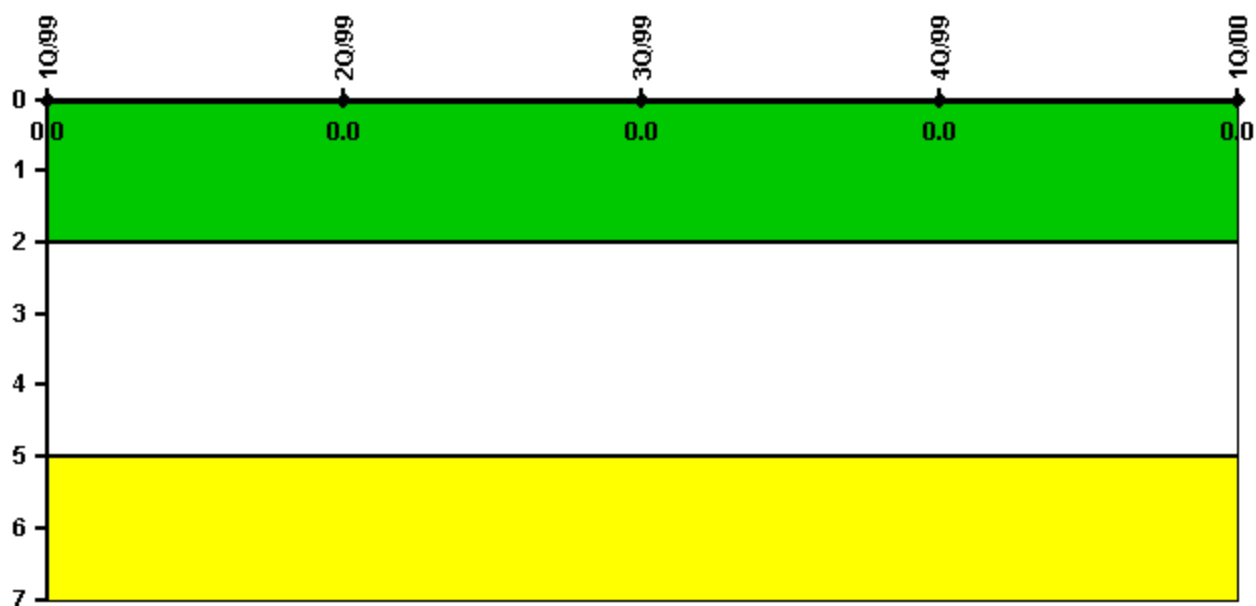
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Program failures	0	1	0	1	0
Indicator value	0	1	1	2	2

Licensee Comments: none

### FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

FFD/Personnel Reliability	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Program Failures	0	0	0	0	0
Indicator value	0	0	0	0	0

Licensee Comments: none



[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 1, 2002